Statement of Basis of the Federal Operating Permit

Styrolution America LLC

Site/Area Name: Bayport Site
Physical location: 12222 Port Rd
Nearest City: Pasadena
County: Harris

Permit Number: O1625
Project Type: Renewal

Standard Industrial Classification (SIC) Code: 2865
SIC Name: Cyclic Organic Crudes and Intermediates

This Statement of Basis sets forth the legal and factual basis for the draft permit conditions in accordance with 30 TAC §122.201(a)(4). Per 30 TAC §§ 122.241 and 243, the permit holder has submitted an application under § 122.134 for permit renewal. This document includes the following information:

A description of the facility/area process description;
A basis for applying permit shields;
A list of the federal regulatory applicability determinations;
A table listing the determination of applicable requirements;
A list of the New Source Review Requirements;
The rationale for periodic monitoring methods selected;
A compliance status; and
A list of available unit attribute forms.

Prepared on: August 13, 2014

Operating Permit
Basis of Determination

Permit Area Process Description

Styrene is produced by the dehydrogenation of ethylbenzene. Ethylene and benzene are received via pipeline and reacted to form ethylbenzene.

Ethylbenzene is produced from the catalytic reaction of benzene and ethylene in the Ethylbenzene Production Unit (EPU). The EPU consists of reaction and distillation sections. In the reaction section, ethylene and benzene react to form ethylbenzene , diethylbenzene, and other higher-alkylated benzenes. Effluent is directed to the distillation section to recover ethylbenzene and to recycle unreacted raw materials. The remaining residues from the distillation section are stored and sold or reused. Next, ethylbenzene is directed to the Styrene Unit (SU) or stored for future styrene production or off-site transfer. Air emissions from the production of ethylbenzene are from process heaters, equipment component leaks (fugitives), and catalytic regeneration operations.

The SU produces the styrene monomer through catalytic dehydrogenation of ethylbenzene. The SU consists of a reaction and monomer distillation section.

In the reaction section ethylbenzene is catalytically dehydrogenated with super-heated steam. Ethylbenzene is received from storage or from the EPU and recycled from the monomer distillation section. The effluent (crude styrene monomer) is directed to the monomer distillation section.

The monomer distillation section separates the styrene monomer from other material. Finished styrene monomer is directed to storage for off-site transfer. The styrene residue is used as fuel in the facility boilers. Air emissions associated with the production of the styrene monomer occurs form process heaters and equipment component leaks (fugitives).

Both ethylbenzene and styrene production depend on ancillary equipment and utilities to facilitate production. Air emissions from ancillary equipment result from the tank farm, utility boilers, cooling towers, thermal oxidizers, firewater pumps, the plant flare, and an emergency generator.

FOPs at Site

The "application area" consists of the emission units and that portion of the site included in the application and this permit. Multiple FOPs may be issued to a site in accordance with 30 TAC § 122.201(e). When there is only one area for the site, then the application information and permit will include all units at the site. Additional FOPs that exist at the site, if any, are listed below.

Additional FOPs: None

Major Source Pollutants

The table below specifies the pollutants for which the site is a major source:

Major Pollutants	VOC, NO_X, CO

Reading State of Texas's Federal Operating Permit

The Title V Federal Operating Permit (FOP) lists all state and federal air emission regulations and New Source Review (NSR) authorizations (collectively known as "applicable requirements") that apply at a particular site or permit area (in the event a site has multiple FOPs). **The FOP does not authorize new emissions or new construction activities.** The FOP begins with an introductory page which is common to all Title V permits. This page gives the details of the company, states the authority of the issuing agency, requires the company to

operate in accordance with this permit and 30 Texas Administrative Code (TAC) Chapter 122, requires adherence with NSR requirements of 30 TAC Chapter 116, and finally indicates the permit number and the issuance date.

This is followed by the table of contents, which is generally composed of the following elements. Not all permits will have all of the elements.

- General Terms and Conditions
- Special Terms and Conditions
    - Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting
    - Additional Monitoring Requirements
    - New Source Review Authorization Requirements
    - Compliance Requirements
    - Protection of Stratosphere Ozone
    - Permit Location
    - Permit Shield (30 TAC § 122.148)
- Attachments
    - Applicable Requirements Summary
        - Unit Summary
        - Applicable Requirements Summary
    - Additional Monitoring Requirements
    - Permit Shield
    - New Source Review Authorization References
    - Compliance Plan
    - Alternative Requirements
- Appendix A
    - Acronym list

General Terms and Conditions

The General Terms and Conditions are the same and appear in all permits. The first paragraph lists the specific citations for 30 TAC Chapter 122 requirements that apply to all Title V permit holders. The second paragraph describes the requirements for record retention. The third paragraph provides details for voiding the permit, if applicable. The fourth paragraph states that the permit holder shall comply with the requirements of 30 TAC Chapter 116 by obtaining a New Source Review authorization prior to new construction or modification of emission units located in the area covered by this permit. The fifth paragraph provides details on submission of reports required by the permit.

Special Terms and Conditions

Emissions Limitations and Standards, Monitoring and Testing, and Recordkeeping and Reporting. The TCEQ has designated certain applicable requirements as site-wide requirements. A site-wide requirement is a requirement that applies uniformly to all the units or activities at the site. Units with only site-wide requirements are addressed on Form OP-REQ1 and are not required to be listed separately on a OP-UA Form or Form OP-SUM. Form OP-SUM must list all units addressed in the application and provide identifying information, applicable OP-UA Forms, and preconstruction authorizations. The various OP-UA Forms provide the characteristics of each unit from which applicable requirements are established. Some exceptions exist as a few units may have both site-wide requirements and unit specific requirements.

Other conditions. The other entries under special terms and conditions are in general terms referring to compliance with the more detailed data listed in the attachments.

Attachments

Applicable Requirements Summary. The first attachment, the Applicable Requirements Summary, has two tables, addressing unit specific requirements. The first table, the Unit Summary, includes a list of units with applicable requirements, the unit type, the applicable regulation, and the requirement driver. The intent of the requirement driver is to inform the reader that a given unit may have several different operating scenarios and the differences between those operating scenarios.

The applicable requirements summary table provides the detailed citations of the rules that apply to the various units. For each unit and operating scenario, there is an added modifier called the "index number," detailed citations specifying monitoring and testing requirements, recordkeeping requirements, and reporting requirements. The data for this table are based on data supplied by the applicant on the OP-SUM and various OP-UA forms.

Additional Monitoring Requirement. The next attachment includes additional monitoring the applicant must perform to ensure compliance with the applicable standard. Compliance assurance monitoring (CAM) is often required to provide a reasonable assurance of compliance with applicable emission limitations/standards for large emission units that use control devices to achieve compliance with applicant requirements. When necessary, periodic monitoring (PM) requirements are specified for certain parameters (i.e. feed rates, flow rates, temperature, fuel type and consumption, etc.) to determine if a term and condition or emission unit is operating within specified limits to control emissions. These additional monitoring approaches may be required for two reasons. First, the applicable rules do not adequately specify monitoring requirements (exception- Maximum Achievable Control Technology Standards (MACTs) generally have sufficient monitoring), and second, monitoring may be required to fill gaps in the monitoring requirements of certain applicable requirements. In situations where the NSR permit is the applicable requirement requiring extra monitoring for a specific emission unit, the preferred solution is to have the monitoring requirements in the NSR permit updated so that all NSR requirements are consolidated in the NSR permit.

Permit Shield. A permit may or may not have a permit shield, depending on whether an applicant has applied for, and justified the granting of, a permit shield. A permit shield is a special condition included in the permit document stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirement(s) or specified applicable state-only requirement(s).

New Source Review Authorization References. All activities which are related to emissions in the state of Texas must have a NSR authorization prior to beginning construction. This section lists all units in the permit and the NSR authorization that allowed the unit to be constructed or modified. Units that do not have unit specific applicable requirements other than the NSR authorization do not need to be listed in this attachment. While NSR permits are not physically a part of the Title V permit, they are legally incorporated into the Title V permit by reference. Those NSR permits whose emissions exceed certain PSD/NA thresholds must also undergo a Federal review of federally regulated pollutants in addition to review for state regulated pollutants.

Compliance Plan. A permit may have a compliance schedule attachment for listing corrective actions plans for any emission unit that is out of compliance with an applicable requirement.

Alternative Requirements. This attachment will list any alternative monitoring plans or alternative means of compliance for applicable requirements that have been approved by the EPA Administrator and/or the TCEQ Executive Director.

Appendix A

Acronym list. This attachment lists the common acronyms used when discussing the FOPs.

Stationary vents subject to 30 TAC Chapter 111, Subchapter A, § 111.111(a)(1)(B) addressed in the Special Terms and Conditions

The site contains stationary vents with a flowrate less than 100,000 actual cubic feet per minute (acfm) and constructed after January 31, 1972 which are limited, over a six-minute average, to 20% opacity as required by 30 TAC § 111.111(a)(1)(B). As a site may have a large number of stationary vents that fall into this category, they are not required to be listed individually in the permit's Applicable Requirement Summary. This is consistent with EPA's White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995, that states that requirements that apply identically to emission units at a site can be treated on a generic basis such as source-wide opacity limits.

Periodic monitoring is specified in Special Term and Condition 3.A. for stationary vents subject to 30 TAC § 111.111(a)(1)(B) to verify compliance with the 20% opacity limit. These vents are not expected to produce visible emissions during normal operation. The TCEQ evaluated the probability of these sources violating the opacity standards and determined that there is a very low potential that an opacity standard would be exceeded. It was determined that continuous monitoring for these sources is not warranted as there would be very limited environmental benefit in continuously monitoring sources that have a low potential to produce visible emissions. Therefore, the TCEQ set the visible observation monitoring frequency for these sources to once per calendar quarter.

The TCEQ has exempted vents that are not capable of producing visible emissions from periodic monitoring requirements. These vents include sources of colorless VOCs, non-fuming liquids, and other materials that cannot produce emissions that obstruct the transmission of light. Passive ventilation vents, such as plumbing vents, are also included in this category. Since this category of vents are not capable of producing opacity due to the physical or chemical characteristics of the emission source, periodic monitoring is not required as it would not yield any additional data to assure compliance with the 20% opacity standard of 30 TAC § 111.111(a)(1)(B).

In the event that visible emissions are detected, either through the quarterly observation or other credible evidence, such as observations from company personnel, the permit holder shall either report a deviation or perform a Test Method 9 observation to determine the opacity consistent with the 6-minute averaging time specified in 30 TAC § 111.111(a)(1)(B). An additional provision is included to monitor combustion sources more frequently than quarterly if alternate fuels are burned for periods greater than 24 consecutive hours. This will address possible emissions that may arise when switching fuel types.

Federal Regulatory Applicability Determinations

The following chart summarizes the applicability of the principal air pollution regulatory programs to the permit area:

Regulatory Program	Applicability (Yes/No)
Prevention of Significant Deterioration (PSD)	No
Nonattainment New Source Review (NNSR)	No
Minor NSR	Yes
40 CFR Part 60 - New Source Performance Standards	Yes

40 CFR Part 61 - National Emission Standards for Hazardous Air Pollutants (NESHAPs)	Yes
40 CFR Part 63 - NESHAPs for Source Categories	Yes
Title IV (Acid Rain) of the Clean Air Act (CAA)	No
Title V (Federal Operating Permits) of the CAA	Yes
Title VI (Stratospheric Ozone Protection) of the CAA	Yes
CAIR (Clean Air Interstate Rule)	No

Basis for Applying Permit Shields

An operating permit applicant has the opportunity to specifically request a permit shield to document that specific applicable requirements do not apply to emission units in the permit. A permit shield is a special condition stating that compliance with the conditions of the permit shall be deemed compliance with the specified potentially applicable requirements or specified potentially applicable state-only requirements. A permit shield has been requested in the application for specific emission units. For the permit shield requests that have been approved, the basis of determination for regulations that the owner/operator need not comply with are located in the "Permit Shield" attachment of the permit.

Insignificant Activities

In general, units not meeting the criteria for inclusion on either Form OP-SUM or Form OP-REQ1 are not required to be addressed in the operating permit application. Examples of these types of units include, but are not limited to, the following:

1. Office activities such as photocopying, blueprint copying, and photographic processes.
2. Sanitary sewage collection and treatment facilities other than those used to incinerate wastewater treatment plant sludge. Stacks or vents for sanitary sewer plumbing traps are also included.
3. Food preparation facilities including, but not limited to, restaurants and cafeterias used for preparing food or beverages primarily for consumption on the premises.
4. Outdoor barbecue pits, campfires, and fireplaces.
5. Laundry dryers, extractors, and tumblers processing bedding, clothing, or other fabric items generated primarily at the premises. This does not include emissions from dry cleaning systems using perchloroethylene or petroleum solvents.
6. Facilities storing only dry, sweet natural gas, including natural gas pressure regulator vents.
7. Any air separation or other industrial gas production, storage, or packaging facility. Industrial gases, for purposes of this list, include only oxygen, nitrogen, helium, neon, argon, krypton, and xenon.
8. Storage and handling of sealed portable containers, cylinders, or sealed drums.
9. Vehicle exhaust from maintenance or repair shops.
10. Storage and use of non-VOC products or equipment for maintaining motor vehicles operated at the site (including but not limited to, antifreeze and fuel additives).
11. Air contaminant detectors and recorders, combustion controllers and shut-off devices, product analyzers, laboratory analyzers, continuous emissions monitors, other analyzers and monitors, and emissions associated with sampling activities. Exception to this category includes sampling activities that are deemed fugitive emissions and under a regulatory leak detection and repair program.
12. Bench scale laboratory equipment and laboratory equipment used exclusively for chemical and physical analysis, including but not limited to, assorted vacuum producing devices and laboratory fume hoods.

13. Steam vents, steam leaks, and steam safety relief valves, provided the steam (or boiler feedwater) has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
14. Storage of water that has not contacted other materials or fluids containing regulated air pollutants other than boiler water treatment chemicals.
15. Well cellars.
16. Fire or emergency response equipment and training, including but not limited to, use of fire control equipment including equipment testing and training, and open burning of materials or fuels associated with firefighting training.
17. Crucible or pot furnaces with a brim full capacity of less than 450 cubic inches of any molten metal.
18. Equipment used exclusively for the melting or application of wax.
19. All closed tumblers used for the cleaning or deburring of metal products without abrasive blasting, and all open tumblers with a batch capacity of 1,000 lbs. or less.
20. Shell core and shell mold manufacturing machines.
21. Sand or investment molds with a capacity of 100 lbs. or less used for the casting of metals;
22. Equipment used for inspection of metal products.
23. Equipment used exclusively for rolling, forging, pressing, drawing, spinning, or extruding either hot or cold metals by some mechanical means.
24. Instrument systems utilizing air, natural gas, nitrogen, oxygen, carbon dioxide, helium, neon, argon, krypton, and xenon.
25. Battery recharging areas.
26. Brazing, soldering, or welding equipment.

Determination of Applicable Requirements

The tables below include the applicability determinations for the emission units, the index number(s) where applicable, and all relevant unit attribute information used to form the basis of the applicability determination. The unit attribute information is a description of the physical properties of an emission unit which is used to determine the requirements to which the permit holder must comply. For more information about the descriptions of the unit attributes specific Unit Attribute Forms may be viewed at www.tceq.texas.gov/permitting/air/nav/air_all_ua_forms.html.

A list of unit attribute forms is included at the end of this document. Some examples of unit attributes include construction date; product stored in a tank; boiler fuel type; etc.. Generally, multiple attributes are needed to determine the requirements for a given emission unit and index number. The table below lists these attributes in the column entitled "Basis of Determination." Attributes that demonstrate that an applicable requirement applies will be the factual basis for the specific citations in an applicable requirement that apply to a unit for that index number. The TCEQ Air Permits Division has developed flowcharts for determining applicability of state and federal regulations based on the unit attribute information in a Decision Support System (DSS). These flowcharts can be accessed via the internet at www.tceq.texas.gov/permitting/air/nav/air_supportsys.html. The Air Permits Division staff may also be contacted for assistance at (512) 239-1250.

The attributes for each unit and corresponding index number provide the basis for determining the specific legal citations in an applicable requirement that apply, including emission limitations or standards, monitoring, recordkeeping, and reporting. The rules were found to apply or not apply by using the unit attributes as answers to decision questions found in the flowcharts of the DSS. Some additional attributes indicate which legal citations of a rule apply. The legal citations that apply to each emission unit may be found in the Applicable Requirements Summary table of the draft permit. There may be some entries or rows of units and rules not found in the permit, or if the permit contains a permit shield, repeated in the permit shield area. These are sets of attributes that describe negative applicability, or; in other words, the reason why a potentially applicable requirement does not apply.

If applicability determinations have been made which differ from the available flowcharts, an explanation of the decisions involved in the applicability determination is specified in the column "Changes and Exceptions to RRT." If there were no exceptions to the DSS, then this column has been removed.

The draft permit includes all emission limitations or standards, monitoring, recordkeeping and reporting required by each applicable requirement. If an applicable requirement does not require monitoring, recordkeeping, or reporting, the word "None" will appear in the Applicable Requirements Summary table. If additional periodic monitoring is required for an applicable requirement, it will be explained in detail in the portion of this document entitled "Rationale for Compliance Assurance Monitoring (CAM)/ Periodic Monitoring Methods Selected."

When attributes demonstrate that a unit is not subject to an applicable requirement, the applicant may request a permit shield for those items. The portion of this document entitled "Basis for Applying Permit Shields" specifies which units, if any, have a permit shield.

Operational Flexibility
When an emission unit has multiple operating scenarios, it will have a different index number associated with each operating condition. This means that units are permitted to operate under multiple operating conditions. The applicable requirements for each operating condition are determined by a unique set of unit attributes. For example, a tank may store two different products at different points in time. The tank may, therefore, need to comply with two distinct sets of requirements, depending on the product that is stored. Both sets of requirements are included in the permit, so that the permit holder may store either product in the tank.

Determination of Applicable Requirements

Unit ID	Regulation	Index Number	Basis of Determination*
115	30 TAC Chapter 117, Subchapter B	R7ICI-1	Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)] Fuel Fired = Petroleum-based diesel fuel
115	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Service Type = Emergency use. Stationary RICE Type = Compression ignition engine
802A	30 TAC Chapter 117, Subchapter B	R7ICI-1	Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)] Fuel Fired = Petroleum-based diesel fuel
802A	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Service Type = Emergency use. Stationary RICE Type = Compression ignition engine
802B	30 TAC Chapter 117, Subchapter B	R7ICI-1	Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)] Fuel Fired = Petroleum-based diesel fuel
802B	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Service Type = Emergency use. Stationary RICE Type = Compression ignition engine
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Unit ID	Regulation	Index Number	Basis of Determination*
805	30 TAC Chapter 117, Subchapter B	R7ICI-1	Type of Service = Used exclusively in emergency situations [claiming the emergency service exemption under 30 TAC §§ 117.103(a)(6)(D), 117.203(a)(6)(D), 117.303(a)(6)(D) or 117.403(a)(7)(D)] Fuel Fired = Petroleum-based diesel fuel
805	40 CFR Part 63, Subpart ZZZZ	63ZZZZ	Brake HP = Stationary RICE with a brake hp greater than or equal to 300 hp and less than or equal to 500 hp. Construction/Reconstruction Date = Commenced construction or reconstruction before December 19, 2002. Nonindustrial Emergency Engine = Stationary RICE is not defined as a residential emergency RICE, a commercial emergency RICE, or an institutional emergency RICE. Service Type = Emergency use. Stationary RICE Type = Compression ignition engine
AF-202	40 CFR Part 60, Subpart NNN	60NNN-2	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AF-202	40 CFR Part 60, Subpart NNN	60NNN-3	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN

Unit ID	Regulation	Index Number	Basis of Determination*
AF-203	40 CFR Part 60, Subpart NNN	60NNN-2	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AF-203	40 CFR Part 60, Subpart NNN	60NNN-3	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AS-102	40 CFR Part 60, Subpart NNN	60NNN-2	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN

Unit ID	Regulation	Index Number	Basis of Determination*
AS-102	40 CFR Part 60, Subpart NNN	60NNN-3	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AS-105	40 CFR Part 60, Subpart NNN	60NNN-2	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AS-105	40 CFR Part 60, Subpart NNN	60NNN-3	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN

Unit ID	Regulation	Index Number	Basis of Determination*
AS-107	40 CFR Part 60, Subpart NNN	60NNN-2	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AS-107	40 CFR Part 60, Subpart NNN	60NNN-3	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AS-1202	40 CFR Part 60, Subpart NNN	60NNN-1	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN

Unit ID	Regulation	Index Number	Basis of Determination*
AS-1202	40 CFR Part 60, Subpart NNN	60NNN-3	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AS-1207	40 CFR Part 60, Subpart NNN	60NNN-2	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AS-1207	40 CFR Part 60, Subpart NNN	60NNN-3	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN

Unit ID	Regulation	Index Number	Basis of Determination*
AS-205	40 CFR Part 60, Subpart NNN	60NNN-2	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = BOILER/PROCESS HEATER > OR EQUAL TO 44 MW VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AS-205	40 CFR Part 60, Subpart NNN	60NNN-3	40 CFR 60 (NSPS) SUBPART NNN CHEMICALS = DISTILLATION UNIT PRODUCES ANY CHEMICAL LISTED IN 40 CFR § 60.667 AS A PRODUCT, CO-PRODUCT, BY-PRODUCT, OR INTERMEDIATE TOTAL RESOURCE EFFECTIVENESS (TRE) [NSPS NNN] = < OR EQUAL TO 8.0 NOT FROM HALOGENATED VENT STREAM CONSTRUCTION/MODIFICATION (RECONSTRUCTION) DATE [NSPS NNN] = AFTER DECEMBER 30, 1983 TOTAL ORGANIC COMPOUNDS (TOC) REDUCTION = COMPLIANCE IS ACHIEVED THROUGH THE USE OF A NON-FLARE COMBUSTION DEVICE. 40 CFR 60 (NSPS) SUBPART NNN CONTROL DEVICE = FLARE VENT TYPE [NSPS NNN] = DISCHARGING TO A VRS DISTILLATION UNIT TYPE (NSPS NNN) = DOES NOT QUALIFY FOR ANY EXEMPTION IN § 60.660(C)(1)-(3) TOTAL DESIGN CAPACITY [NSPS NNN] = > OR EQUAL TO 1 GGRAM/YR VENT STREAM FLOW RATE [NSPS NNN] = > OR EQUAL TO 0.008 SCM/MIN
AS-206	30 TAC Chapter 115, Vent Gas Controls	R5121-4	Alternate Control Requirement = Alternate control is not used. Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor. Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.

Unit ID	Regulation	Index Number	Basis of Determination*
CT-1	30 TAC Chapter 115, HRVOC Cooling Towers	R5760-1	COOLING TOWER HEAT EXCHANGE SYSTEM EXEMPTIONS = The cooling tower heat exchange system does not qualify for an exemption. JACKETED REACTOR = The cooling tower heat exchange system is not in dedicated service to a jacketed reactor. ALTERNATIVE MONITORING = Complying with the specified monitoring in 30 TAC § 115.764. DESIGN CAPACITY = Design capacity to circulate 8000 gpm or greater. FINITE VOLUME SYSTEM = The cooling tower heat exchange system is complying with the requirements in § 115.764(a). MODIFIED MONITORING = NOT USING MINOR MODIFICATIONS TO THE MONITORING AND TESTING METHODS IN 30 TAC § 115.764. FLOW MONITORING/TESTING METHOD = Choosing to use a continuous flow monitor on each inlet of each cooling tower in accordance with § 115.764(a)(1), (b)(1), or (h)(1). TOTAL STRIPPABLE VOC = The cooling tower heat exchange system is complying with the requirements of § 115.764(a). ON-LINE MONITOR = A continuous on-line monitor capable of providing total HRVOC and speciated HRVOCs in ppbw is being used.
CT-1	40 CFR Part 63, Subpart Q	63Q-1	USED CHROMIUM COMPOUNDS AFTER SEPT. 8 1994 (MACT Q) = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.
CT-2	40 CFR Part 63, Subpart Q	63Q-1	USED CHROMIUM COMPOUNDS AFTER SEPT. 8 1994 (MACT Q) = The industrial process cooling tower has not used compounds containing chromium on or after September 8, 1994.
CTOTANK	40 CFR Part 61, Subpart FF	61FFCVS-1	Unit Type = Containers and individual drain systems CLOSED VENT SYSTEM AND CONTROL DEVICE AMOC = Complying with the requirements of § 61.349 By-pass Line = System does not contain by-pass lines Control Device Type/Operation = Catalytic vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent. Engineering Calculations = Performance tests are used to demonstrate the control device achieves compliance. Alternate Monitoring Parameters = Complying with the monitoring parameters in § 61.354 for the control device.
CTOVENT	40 CFR Part 61, Subpart FF	61FFCVS-1	Unit Type = Containers and individual drain systems CLOSED VENT SYSTEM AND CONTROL DEVICE AMOC = Complying with the requirements of § 61.349 By-pass Line = System does not contain by-pass lines Control Device Type/Operation = Catalytic vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent. Engineering Calculations = Performance tests are used to demonstrate the control device achieves compliance. Alternate Monitoring Parameters = Complying with the monitoring parameters in § 61.354 for the control device.
FL	30 TAC Chapter 111, Visible Emissions	R111-1	ACID GASES ONLY [REG I] = Flare is not used only as an acid gas flare as defined in 30 TAC § 101.1. EMERGENCY/UPSET CONDITIONS ONLY [REG I] = Flare is used under conditions other than emergency or upset conditions.
FL	40 CFR Part 60, Subpart A	60A-1	SUBJECT TO 40 CFR 60.18 = Flare is subject to 40 CFR § 60.18. ADHERING TO HEAT CONTENT SPECIFICATIONS = Adhering to the heat content specifications in 40 CFR § 60.18(c)(3)(ii) and the maximum tip velocity specifications in 40 CFR § 60.18(c)(4). FLARE ASSIST TYPE [NSPS A, NESHAP A, AND/OR MACT A] = Steam-assisted FLARE EXIT VELOCITY [NSPS A, NESHAP A, AND/OR MACT A] = Flare exit velocity is less than 60 ft/s (18.3 m/sec)

Unit ID	Regulation	Index Number	Basis of Determination*
FL	40 CFR Part 63, Subpart A	63A-1	REQUIRED UNDER 40 CFR 63 = Flare is required by a Subpart under 40 CFR Part 63. HEAT CONTENT SPECIFICATION = Adhering to the heat content specifications in 40 CFR § 63.11(b)(6)(ii) and the maximum tip velocity specifications in 40 CFR § 63.11(b)(7) or 40 CFR § 63.11(b)(8). FLARE ASSIST TYPE = Steam assisted FLARE EXIT VELOCITY = Flare exit velocity is less than 60 ft/s (18.3 m/sec)
FUG-BZ	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	SOP/GOP Index No. = Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
FUG-BZ	40 CFR Part 63, Subpart H	63H-ALL	SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device.
FUG-HRVOC	30 TAC Chapter 115, HRVOC Fugitive Emissions	R5780-ALL	SOP/GOP Index No. = Owner/Operator assumes HRVOC fugitive control requirements for all components subject to 30 TAC Chapter 115, HRVOC Fugitive Emissions with no alternate control or control device.
FUG-VOC	30 TAC Chapter 115, Pet. Refinery & Petrochemicals	R5352-ALL	SOP/GOP Index No. = Owner/Operator assumes VOC fugitive control requirements for all components subject to 30 TAC Chapter 115, Subchapter D, Division 3 with no alternate control or control device.
FUG-VOC	40 CFR Part 63, Subpart H	63H-ALL	SOP Index No. = Owner/Operator assumes fugitive control requirements for all components in VOC or VHAP service subject to 40 CFR Part 63, Subpart H with no alternated control or control device.
GV-350	30 TAC Chapter 115, Water Separation	R5131-1	ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = The executive director (or the EPA Administrator) has not approved an ACR or exemption criteria in accordance with 30 TAC § 115.910. EXEMPTION FROM CONTROL REQUIREMENTS OF 115.132 [REG V] = Any single or multiple compartment VOC water separator which is designed solely to capture stormwater, spills, or exterior surface cleanup waters and is fully covered.
GY-308	30 TAC Chapter 115, Vent Gas Controls	R5121-2	Alternate Control Requirement = Alternate control is not used. Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Control Device Type = Chiller or catalytic incinerator. Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule.
GY-308	30 TAC Chapter 115, Vent Gas Controls	R5121-3	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.

Unit ID	Regulation	Index Number	Basis of Determination*
GY-321	30 TAC Chapter 115, Vent Gas Controls	R5121-3	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.
HB-1301P	30 TAC Chapter 117, Subchapter B	R7BSG-3	NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration]. UNIT TYPE = Other industrial, commercial, or institutional boiler. MAXIMUM RATED CAPACITY = MRC is greater than or equal to 200 MMBtu/hr but less than 250 MMBtu/hr. NOX MONITORING SYSTEM = Continuous emissions monitoring system. FUEL FLOW MONITORING = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1) 400 ppmv option. CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1). EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid. INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas. INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #2 [REG VII] = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases. NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/hour on a block one-hour average. NOX REDUCTIONS = No NO_x reduction. ANNUAL HEAT INPUT/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.

Unit ID	Regulation	Index Number	Basis of Determination*
HB-1301P	40 CFR Part 60, Subpart Db	60DB-1	Construction/Modification Date = On or after November 25, 1986, and on or before July 9, 1997. D-Series Fuel Type #1 = Natural gas. Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW). PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. NOx Monitoring Type = Continuous emission monitoring system. SO2 Monitoring Type = No SO_2 monitoring. Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Technology Type = None. ACF Option - SO2 = Other ACF or no ACF. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines. Unit Type = OTHER UNIT TYPE ACF Option - PM = Other ACF or no ACF. Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft^3. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative. ACF Option - NOx = Residual oil with a nitrogen content of 0.30 weight percent or less natural gas, distillate oil, or any mixture of these fuels with an ACF greater than 10%. 60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.

Unit ID	Regulation	Index Number	Basis of Determination*
HB-301A	30 TAC Chapter 117, Subchapter B	R7BSG-1	NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration]. UNIT TYPE = Other industrial, commercial, or institutional boiler. MAXIMUM RATED CAPACITY = MRC is greater than or equal to 200 MMBtu/hr but less than 250 MMBtu/hr. NOX MONITORING SYSTEM = Continuous emissions monitoring system. FUEL FLOW MONITORING = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1) 400 ppmv option. CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1). EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid. INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas. INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #2 [REG VII] = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases. NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/hour on a block one-hour average. NOX REDUCTIONS = No NO_x reduction. ANNUAL HEAT INPUT/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.
HB-301B	30 TAC Chapter 117, Subchapter B	R7BSG-2	NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration]. UNIT TYPE = Other industrial, commercial, or institutional boiler. MAXIMUM RATED CAPACITY = MRC is greater than or equal to 200 MMBtu/hr but less than 250 MMBtu/hr. NOX MONITORING SYSTEM = Continuous emissions monitoring system. FUEL FLOW MONITORING = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1) 400 ppmv option. CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1). EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid. INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas. INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #2 [REG VII] = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases. NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/hour on a block one-hour average. NOX REDUCTIONS = No NO_x reduction. ANNUAL HEAT INPUT/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.

Unit ID	Regulation	Index Number	Basis of Determination*
HB-301S	30 TAC Chapter 117, Subchapter B	R7BSG-2	NOX EMISSION LIMITATION = Title 30 TAC § 117.310(d)(3) [relating to mass emissions cap and trade in 30 TAC Chapter 101, Subchapter H, Division 3 and Emission Specifications for Attainment Demonstration]. UNIT TYPE = Other industrial, commercial, or institutional boiler. MAXIMUM RATED CAPACITY = MRC is greater than or equal to 200 MMBtu/hr but less than 250 MMBtu/hr. NOX MONITORING SYSTEM = Continuous emissions monitoring system. FUEL FLOW MONITORING = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). CO EMISSION LIMITATION = Title 30 TAC § 117.310(c)(1) 400 ppmv option. CO MONITORING SYSTEM = Continuous emissions monitoring system complying with 30 TAC § 117.8100(a)(1). EGF SYSTEM CAP UNIT = The unit is not used as an electric generating facility to generate electricity for sale to the electric grid. INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #1 [REG VII] = Natural gas. INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES FUEL TYPE #2 [REG VII] = Gaseous fuel other than natural gas landfill gas or renewable non-fossil fuel gases. NOX EMISSION LIMIT AVERAGE = Emission limit in pounds/hour on a block one-hour average. NOX REDUCTIONS = No NO_x reduction. ANNUAL HEAT INPUT/INSTITUTIONAL, COMMERCIAL, INDUSTRIAL SOURCES [REG VII] = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on rolling 12-month average.
HS-102	30 TAC Chapter 117, Subchapter B	R7PHF-2	Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). Unit Type = Process heater CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option Maximum Rated Capacity = Maximum rated capacity is at least 2 MMBtu/hr, but less than 40 MMBtu/hr. CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS. NOx Emission Limit Basis = Emission limit in lb/MMBtu on a rolling 30-day average NOx Reduction = No NO_x control method Fuel Type #1 = Natural gas NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000] NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)

Unit ID	Regulation	Index Number	Basis of Determination*
HS-103	30 TAC Chapter 117, Subchapter B	R7PHF-1	Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). Unit Type = Process heater CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option Maximum Rated Capacity = Maximum rated capacity is at least 40 MMBtu/hr, but less than 100 MMBtu/hr. CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS. NOx Emission Limit Basis = Emission limit in lb/MMBtu on a rolling 30-day average NOx Reduction = No NO_x control method Fuel Type #1 = Natural gas NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000] Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on a rolling 12-month average. NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)
HS-103	40 CFR Part 60, Subpart Dc	60DC-1	CONSTRUCTION/MODIFICATION DATE = After June 9, 1989 but on or before February 28, 2005. PM MONITORING TYPE = No particulate monitoring. MAXIMUM DESIGN HEAT INPUT CAPACITY = Maximum design heat input capacity is greater than or equal to 10 MMBtu/hr (2.9 MW) but less than or equal to 100 MMBtu (29 MW). SO2 INLET MONITORING TYPE = No SO_2 monitoring. OTHER SUBPARTS = The facility is not covered under 40 CFR Part 60, Subparts AAAA or KKKK, or under an approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart BBBB. SO2 OUTLET MONITORING TYPE = No SO_2 monitoring. HEAT INPUT CAPACITY = Heat input capacity is greater than 75 MMBtu/hr (22 MW). TECHNOLOGY TYPE = None. D-SERIES FUEL TYPE = Natural gas.
HS-104	30 TAC Chapter 117, Subchapter B	R7PHF-3	Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). Unit Type = Process heater CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option Maximum Rated Capacity = Maximum rated capacity is at least 100 MMBtu/hr, but less than 200 MMBtu/hr. CO Monitoring System = Continuous emission monitoring system complying with 30 TAC § 117.8100(a)(1). NOx Emission Limit Basis = Emission limit in lb/hr (or ppm by volume at 15% oxygen, dry basis) on a block one-hour average NOx Reduction = No NO_x control method Fuel Type #1 = Natural gas NOx Monitoring System = Continuous emissions monitoring system Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on a rolling 12-month average. NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)

Unit ID	Regulation	Index Number	Basis of Determination*
HS-104	40 CFR Part 60, Subpart Db	60DB-2	Construction/Modification Date = Modified after July 9, 1997, and on or before February 28, 2005. D-Series Fuel Type #1 = Natural gas. Heat Input Capacity = Heat input capacity is greater than 100 MMBtu/hr (29 MW) but less than or equal to 250 MMBtu/hr (73 MW). PM Monitoring Type = No particulate monitoring. Opacity Monitoring Type = No particulate (opacity) monitoring. Subpart Da = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart Da. Changes to Existing Affected Facility = No change has been made to the existing steam generating unit, which was not previously subject to 40 CFR Part 60, Subpart Db, for the sole purpose of combusting gases containing totally reduced sulfur as defined under 40 CFR § 60.281. NOx Monitoring Type = Continuous emission monitoring system. Electrical or Mechanical Output = 10% or less of the annual output is electrical or mechanical. SO2 Monitoring Type = No SO_2 monitoring. Subpart Ea, Eb or AAAA = The affected facility does not meet applicability requirements of and is subject to 40 CFR Part 60, Subpart Ea, Eb or AAAA. Subpart J = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart J. Subpart E = The affected facility does not meet applicability requirements of 40 CFR Part 60, Subpart E. Subpart KKKK = The affected facility is not a heat recovery steam generator associated with combined cycle gas turbines and that meets applicability requirements of and is subject to 40 CFR Part 60, Subpart KKKK. Technology Type = None. ACF Option - SO2 = Other ACF or no ACF. Subpart Cb or BBBB = The affected facility is not covered by an EPA approved State or Federal section 111(d)/129 plan implementing 40 CFR Part 60, Subpart Cb or BBBB emission guidelines. Unit Type = OTHER UNIT TYPE ACF Option - PM = Other ACF or no ACF. Heat Release Rate = Natural gas with a heat release rate less than or equal to 70 MBtu/hr/ft^3. 60.49Da(n) Alternative = The facility is not using the § 60.49Da(n) alternative. ACF Option - NOx = Residual oil with a nitrogen content of 0.30 weight percent or less natural gas, distillate oil, or any mixture of these fuels with an ACF greater than 10%. Heat Input Gas/Oil = The facility combusts natural gas or distillate oil in excess of 30% of the heat input from the combustion of all fuels. 60.49Da(m) Alternative = The facility is not using the § 60.49Da(m) alternative.

Unit ID	Regulation	Index Number	Basis of Determination*
HS-201/219	30 TAC Chapter 117, Subchapter B	R7PHF-3	Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). Unit Type = Process heater CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option Maximum Rated Capacity = Maximum rated capacity is at least 200 MMBtu/hr. CO Monitoring System = Continuous emission monitoring system complying with 30 TAC § 117.8100(a)(1). NOx Emission Limit Basis = Emission limit in lb/hr (or ppm by volume at 15% oxygen, dry basis) on a block one-hour average NOx Reduction = No NO_x control method Fuel Type #1 = Natural gas NOx Monitoring System = Continuous emissions monitoring system Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on a rolling 12-month average. NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)
HS-220	30 TAC Chapter 117, Subchapter B	R7PHF-1	Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). Unit Type = Process heater CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option Maximum Rated Capacity = Maximum rated capacity is at least 100 MMBtu/hr, but less than 200 MMBtu/hr. CO Monitoring System = Continuous emission monitoring system complying with 30 TAC § 117.8100(a)(1). NOx Emission Limit Basis = Emission limit in lb/hr (or ppm by volume at 15% oxygen, dry basis) on a block one-hour average NH3 Emission Limitation = Title 30 TAC § 117.310(c)(2) NOx Reduction = Post combustion control technique with ammonia injection Fuel Type #1 = Natural gas NH3 Monitoring = Continuous emission monitoring system. Fuel Type #2 = Liquid NOx Monitoring System = Continuous emissions monitoring system Annual Heat Input = Annual heat input is greater than $2.2(10^{11})$ Btu/yr, based on a rolling 12-month average. NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)

Unit ID	Regulation	Index Number	Basis of Determination*
HS-601	30 TAC Chapter 117, Subchapter B	R7PHF-2	Diluent CEMS = The process heater does not use a carbon dioxide CEMS to monitor diluent. Fuel Flow Monitoring = Fuel flow is monitored with a totalizing fuel flow meter per 30 TAC §§ 117.140(a), 117.340(a) or 117.440(a). Unit Type = Process heater CO Emission Limitation = Title 30 TAC § 117.310(c)(1) 400 ppmv option Maximum Rated Capacity = Maximum rated capacity is at least 2 MMBtu/hr, but less than 40 MMBtu/hr. CO Monitoring System = Emissions are monitored using methods other than CEMS or PEMS. NOx Emission Limit Basis = Emission limit in lb/MMBtu on a rolling 30-day average NOx Reduction = No NO_x control method Fuel Type #1 = Natural gas NOx Monitoring System = Maximum emission rate testing [in accordance with 30 TAC § 117.8000] NOx Emission Limitation = Title 30 TAC §§ 117.310(d)(3) and 117.310(a)(8)
LR-1	30 TAC Chapter 115, Loading and Unloading of VOC	R5211-1	Chapter 115 Facility Type = Facility type other than a gasoline terminal, gasoline bulk plant, motor vehicle fuel dispensing facility or marine terminal. Alternate Control Requirement (ACR) = No alternate control requirements are being utilized. Product Transferred = Volatile organic compounds other than liquefied petroleum gas and gasoline. Transfer Type = Loading and unloading. True Vapor Pressure = True vapor pressure less than 0.5 psia.
MR-201A/B	40 CFR Part 60, Subpart RRR	60RRR-1	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 AFFECTED FACILITY TYPE = COMBINATION OF 2 OR MORE REACTOR PROCESSES AND THE COMMON RECOVERY SYSTEM INTO WHICH THEIR VENT STREAMS ARE DISCHARGED SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = YES

Unit ID	Regulation	Index Number	Basis of Determination*
MR-201A/B	40 CFR Part 60, Subpart RRR	60RRR-2	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR) BYPASS LINE = NO BYPASS LINE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED AFFECTED FACILITY TYPE = COMBINATION OF 2 OR MORE REACTOR PROCESSES AND THE COMMON RECOVERY SYSTEM INTO WHICH THEIR VENT STREAMS ARE DISCHARGED TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2) TRE FOR HALOGENATED VENT STREAM = NO
MR-201C	40 CFR Part 60, Subpart RRR	60RRR-2	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR) BYPASS LINE = NO BYPASS LINE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2) TRE FOR HALOGENATED VENT STREAM = NO

Unit ID	Regulation	Index Number	Basis of Determination*
MR-201C	40 CFR Part 60, Subpart RRR	60RRR-3	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR) BYPASS LINE = NO BYPASS LINE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18 SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2) TRE FOR HALOGENATED VENT STREAM = NO
MR-203A	40 CFR Part 60, Subpart RRR	60RRR-2	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR) BYPASS LINE = NO BYPASS LINE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED AFFECTED FACILITY TYPE = COMBINATION OF 2 OR MORE REACTOR PROCESSES AND THE COMMON RECOVERY SYSTEM INTO WHICH THEIR VENT STREAMS ARE DISCHARGED TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2) TRE FOR HALOGENATED VENT STREAM = NO

Unit ID	Regulation	Index Number	Basis of Determination*
MR-203A	40 CFR Part 60, Subpart RRR	60RRR-3	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR) BYPASS LINE = NO BYPASS LINE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED AFFECTED FACILITY TYPE = COMBINATION OF 2 OR MORE REACTOR PROCESSES AND THE COMMON RECOVERY SYSTEM INTO WHICH THEIR VENT STREAMS ARE DISCHARGED TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18 SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2) TRE FOR HALOGENATED VENT STREAM = NO
MR-203B	40 CFR Part 60, Subpart RRR	60RRR-2	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR) BYPASS LINE = NO BYPASS LINE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED AFFECTED FACILITY TYPE = COMBINATION OF 2 OR MORE REACTOR PROCESSES AND THE COMMON RECOVERY SYSTEM INTO WHICH THEIR VENT STREAMS ARE DISCHARGED TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2) TRE FOR HALOGENATED VENT STREAM = NO

Unit ID	Regulation	Index Number	Basis of Determination*
MR-203B	40 CFR Part 60, Subpart RRR	60RRR-3	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR) BYPASS LINE = NO BYPASS LINE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED AFFECTED FACILITY TYPE = COMBINATION OF 2 OR MORE REACTOR PROCESSES AND THE COMMON RECOVERY SYSTEM INTO WHICH THEIR VENT STREAMS ARE DISCHARGED TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18 SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2) TRE FOR HALOGENATED VENT STREAM = NO
MR-203C	40 CFR Part 60, Subpart RRR	60RRR-2	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR) BYPASS LINE = NO BYPASS LINE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION CONTROL DEVICE = BOILER OR PROCESS HEATER WITH A DESIGN HEAT INPUT GREATER THAN OR EQUAL TO 44 MW SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2) TRE FOR HALOGENATED VENT STREAM = NO

Unit ID	Regulation	Index Number	Basis of Determination*
MR-203C	40 CFR Part 60, Subpart RRR	60RRR-3	CHEMICALS LISTED IN §60.707 = AFFECTED FACILITY IS PART OF A PROCESS UNIT THAT PRODUCES ANY CHEMICALS LISTED IN 40 CFR § 60.707 AS A PRODUCT, CO-PRODUCT, BY PRODUCT, OR INTERMEDIATE TOTAL DESIGN CAPACITY = TOTAL DESIGN CAPACITY IS GREATER THAN OR EQUAL TO 1 GIGAGRAM PER YEAR (1,100 TONS PER YEAR) BYPASS LINE = NO BYPASS LINE CONSTRUCTION/MODIFICATION DATE = AFTER JUNE 29, 1990 VENT STREAM FLOW RATE = VENT STREAM FLOW RATE IS GREATER THAN OR EQUAL TO 0.011 SCM/MIN OR VALUE IS NOT MEASURED AFFECTED FACILITY TYPE = COMBINATION OF A REACTOR PROCESS AND THE RECOVERY SYSTEM INTO WHICH ITS VENT STREAM IS DISCHARGED TOC EXEMPTION = NO TOC CONCENTRATION EXEMPTION CONTROL DEVICE = FLARE THAT MEETS THE REQUIREMENTS OF § 60.18 SUBJECT TO TITLE 40 CFR PART 60 SUBPART DDD = NO SUBJECT TO TITLE 40 CFR PART 60 SUBPART NNN = NO TRE INDEX VALUE = TRE INDEX VALUE IS LESS THAN OR EQUAL TO 8.0, OR A TRE INDEX VALUE IS NOT CALCULATED OR CLAIMED FOR EXEMPTION § 60.700(C)(2) TRE FOR HALOGENATED VENT STREAM = NO
MS-209	30 TAC Chapter 115, Storage of VOCs	R5112-6	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
MS-209	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MS-209	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MS-213	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
MS-213	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MS-213	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.

Unit ID	Regulation	Index Number	Basis of Determination*
MS-221A/B	40 CFR Part 61, Subpart FF	61FF-1	ALTERNATE MEANS OF COMPLIANCE = NO BY-PASS LINE = THE CLOSED VENT SYSTEM HAS NO BY-PASS LINE ALTERNATE STANDARDS FOR OIL-WATER SEPARATORS = NO CONTROL DEVICE TYPE/OPERATION = CATALYTIC VAPOR INCINERATOR REDUCING ORGANICS BY 95 WEIGHT PERCENT OR GREATER ENGINEERING CALCULATIONS = PERFORANCE TEST IS BEING USED TO DETERMINE COMPLIANCE OF A CONTROL DEVICE ALTERNATE MONITORING PARAMETERS = COMPLYING WITH THE MONITORING REQUIREMENTS OF SUBPART FF FUEL GAS SYSTEM = EMISSIONS ARE ROUTED TO A CONTROL DEVICE COVER AND CLOSED VENT = CLOSED VENT SYSTEM IS OPERATED SUCH THAT THE OIL-WATER SEPARATOR IS MAINTAINED AT NON-NEGATIVE PRESSURE (GREATER THAN ATMOSPHERIC) CLOSED VENT SYSTEM AND CONTROL DEVICE AMOC = COMPLYING WITH THE REQUIREMENTS OF § 61.349
MS-221A/B	30 TAC Chapter 115, Industrial Wastewater	R5140-1	PETROLEUM REFINERY = NO WASTEWATER COMPONENT TYPE = COMPONENT NOT A WET WEATHER RETENTION BASIN, EXEMPTED BY 115.147(2), NOR BIOTREATMENT UNIT. ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = DOES NOT USE AN ALTERNATE CONTROL REQUIREMENT OR EXEMPTION CRITERIA IN ACCORDANCE WITH 115.910 ROOF/SEAL TYPE [REG V] = WASTEWATER COMPONENT THAT DOES NOT HAVE A FLOATING ROOF OR INTERNAL FLOATING ROOF CONTROL DEVICES [REG V] = CATLYTIC INCINERATOR 90% OVERALL CONTROL OPTION = THE UNIT IS COMPLYING WITH THE CONTROL REQUIREMENTS OF § 115.142 MONITORING TYPE [REG V] = EXECUTIVE DIRECTOR HAS NOT APPROVED OTHER MONITORING METHODS FOR THE EMISSION CONTROL DEVICE OR OTHER DEVICE INSTALLED IN LIEU OF THE MONITORING REQUIREMENTS OF 115.144(3)(A)-(F). SAFETY HAZARD EXEMPTION = NO SAFETY HAZARD EXEMPTION REQUESTED OR APPROVED
MS-228/1228	30 TAC Chapter 115, Vent Gas Controls	R5121-1	Alternate Control Requirement = Alternate control is not used. Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Control Device Type = Vapor recovery system, as defined in 30 TAC § 115.10, other than an afterburner, blast furnace combustion device, boiler, catalytic or direct flame incinerator, carbon adsorption system, chiller, flare or vapor combustor. Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.
MS-228/1228	30 TAC Chapter 115, Vent Gas Controls	R5121-5	Alternate Control Requirement = Alternate control is not used. Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Control Device Type = Chiller or catalytic incinerator. Vent Type = Vent gas stream originates from a synthetic organic chemical manufacturing industry reactor process or distillation operation, as defined in 30 TAC § 115.10.

Unit ID	Regulation	Index Number	Basis of Determination*
MS-338	30 TAC Chapter 115, Industrial Wastewater	R5140-1	PETROLEUM REFINERY = NO WASTEWATER COMPONENT TYPE = COMPONENT NOT A WET WEATHER RETENTION BASIN, EXEMPTED BY 115.147(2), NOR BIOTREATMENT UNIT. ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = DOES NOT USE AN ALTERNATE CONTROL REQUIREMENT OR EXEMPTION CRITERIA IN ACCORDANCE WITH 115.910 ROOF/SEAL TYPE [REG V] = WASTEWATER COMPONENT THAT DOES NOT HAVE A FLOATING ROOF OR INTERNAL FLOATING ROOF CONTROL DEVICES [REG V] = CATLYTIC INCINERATOR 90% OVERALL CONTROL OPTION = THE UNIT IS COMPLYING WITH THE CONTROL REQUIREMENTS OF § 115.142 MONITORING TYPE [REG V] = EXECUTIVE DIRECTOR HAS NOT APPROVED OTHER MONITORING METHODS FOR THE EMISSION CONTROL DEVICE OR OTHER DEVICE INSTALLED IN LIEU OF THE MONITORING REQUIREMENTS OF 115.144(3)(A)-(F). SAFETY HAZARD EXEMPTION = NO SAFETY HAZARD EXEMPTION REQUESTED OR APPROVED
MS-350	30 TAC Chapter 115, Storage of VOCs	R5112-8	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
MS-350	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MS-350	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MS-363	30 TAC Chapter 115, Storage of VOCs	R5112-7	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a vapor recovery system (VRS) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons Control Device Type = Flare
MS-363	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MS-363	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.

Unit ID	Regulation	Index Number	Basis of Determination*
MT-302	30 TAC Chapter 115, Vent Gas Controls	R5121-3	Chapter 115 Division = The vent stream does not originate from a source for which another Division in 30 TAC Chapter 115 establishes a control requirement, emission specification, or exemption for that source. Combustion Exhaust = The vent stream is not from a combustion unit exhaust or the combustion unit is used as a control device for a vent stream originating from a noncombustion source subject to 30 TAC Chapter 115, Subchapter B, Division 2. Vent Type = Title 30 TAC Chapter 115, Subchapter B, Vent Gas Control rules are applicable and the vent is not specifically classified under the rule. Combined 24-Hour VOC Weight = Combined VOC weight is less than or equal to 100 pounds (45.4 kg). VOC Concentration/Emission Rate @ Max Operating Conditions = The VOC concentration or emission rate is less than the applicable exemption limit at maximum actual operating conditions and the alternate recordkeeping requirements of 30 TAC § 115.126(4) are being selected.
MT-306	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-306	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-306	40 CFR Part 61, Subpart Y	61Y-2	Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a)
MT-306	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-307	30 TAC Chapter 115, Storage of VOCs	R5112-3	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 25,000 gallons but less than or equal to 40,000 gallons
MT-307	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-307	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-308	30 TAC Chapter 115, Storage of VOCs	R5112-1	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons

Unit ID	Regulation	Index Number	Basis of Determination*
MT-308	40 CFR Part 60, Subpart Kb	60KB-2	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 19,800 gallons (75,000 liters) but less than 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 2.2 psia
MT-308	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-308	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-310	30 TAC Chapter 115, Storage of VOCs	R5112-4	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-310	30 TAC Chapter 115, Storage of VOCs	R5112-9	Today's Date = Today's date is March 1, 2013 or later. Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons Control Device Type = Catalytic incinerator
MT-310	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-310	40 CFR Part 61, Subpart Y	61Y-2	Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a)
MT-310	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-311	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-311	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.

Unit ID	Regulation	Index Number	Basis of Determination*
MT-311	40 CFR Part 61, Subpart Y	61Y-2	Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a)
MT-311	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-312	30 TAC Chapter 115, Storage of VOCs	R5112-5	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using an internal floating roof (IFR) True Vapor Pressure = True vapor pressure is greater than or equal to 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-312	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-312	40 CFR Part 61, Subpart Y	61Y-1	Tank Type = The storage tank stores benzene within the specific gravities defined in 40 CFR § 61.270(a), not including storage tanks used to store benzene at coke by-product facilities, pressure vessels, or vessels permanently attached to a motor vehicles Storage Capacity = Capacity is greater than or equal to 10,000 gallons Stringency = The storage vessel is not subject to the provisions of 40 CFR Part 60, Subparts K, Ka, or Kb Alternate Means of Emission Limitation = Not using an alternate means of emission limitation Tank Description = Existing storage vessel for which construction of an internal floating roof equipped with a continuous seal commenced on or before July 28, 1988 Control Device Type = Vessel does not have closed vent system with a control device
MT-312	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-315	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-315	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-315	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-316	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons

Unit ID	Regulation	Index Number	Basis of Determination*
MT-316	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-316	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-317	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-317	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-317	40 CFR Part 61, Subpart Y	61Y-2	Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a)
MT-317	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-318	30 TAC Chapter 115, Storage of VOCs	R5112-6	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is greater than or equal to 1.0 psia but less than 1.5 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
MT-318	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-318	40 CFR Part 61, Subpart Y	61Y-2	Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a)
MT-318	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-322	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-322	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-322	40 CFR Part 61, Subpart Y	61Y-2	Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a)

Unit ID	Regulation	Index Number	Basis of Determination*
MT-322	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-355	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-355	40 CFR Part 61, Subpart FF	63FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
MT-355	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-364	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-364	40 CFR Part 60, Subpart Kb	60KB-1	Product Stored = Waste mixture of indeterminate or variable composition Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia
MT-364	40 CFR Part 61, Subpart FF	61FF-2	Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Tank Control Requirements = The waste managed in the tank meets the conditions in 40 CFR § 61.343(b)(1) and the tank is complying with the requirements specified in 40 CFR § 61.343(b)(2). Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Closed Vent System and Control Device = A closed vent system and control device is used. Control Device Type/Operations = Catalytic vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation. Alternate Monitoring Parameters = Alternate monitoring parameters not requested Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.
MT-364	40 CFR Part 61, Subpart Y	61Y-2	Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a)

Unit ID	Regulation	Index Number	Basis of Determination*
MT-364	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-364	30 TAC Chapter 115, Industrial Wastewater	R5140-1	PETROLEUM REFINERY = NO WASTEWATER COMPONENT TYPE = COMPONENT NOT A WET WEATHER RETENTION BASIN, EXEMPTED BY 115.147(2), NOR BIOTREATMENT UNIT. ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = DOES NOT USE AN ALTERNATE CONTROL REQUIREMENT OR EXEMPTION CRITERIA IN ACCORDANCE WITH 115.910 ROOF/SEAL TYPE [REG V] = WASTEWATER COMPONENT THAT DOES NOT HAVE A FLOATING ROOF OR INTERNAL FLOATING ROOF CONTROL DEVICES [REG V] = CATLYTIC INCINERATOR 90% OVERALL CONTROL OPTION = THE UNIT IS COMPLYING WITH THE CONTROL REQUIREMENTS OF § 115.142 MONITORING TYPE [REG V] = EXECUTIVE DIRECTOR HAS NOT APPROVED OTHER MONITORING METHODS FOR THE EMISSION CONTROL DEVICE OR OTHER DEVICE INSTALLED IN LIEU OF THE MONITORING REQUIREMENTS OF 115.144(3)(A)-(F). SAFETY HAZARD EXEMPTION = NO SAFETY HAZARD EXEMPTION REQUESTED OR APPROVED
MT-365	30 TAC Chapter 115, Storage of VOCs	R5112-2	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 40,000 gallons
MT-365	40 CFR Part 60, Subpart Kb	60KB-1	Product Stored = Waste mixture of indeterminate or variable composition Storage Capacity = Capacity is greater than or equal to 39,900 gallons (151,000 liters) Maximum True Vapor Pressure = True vapor pressure is less than 0.5 psia
MT-365	40 CFR Part 61, Subpart FF	61FF-2	Bypass Line = The closed vent system does not contain any by-pass line that could divert the vent stream away from the control device. Tank Control Requirements = The waste managed in the tank meets the conditions in 40 CFR § 61.343(b)(1) and the tank is complying with the requirements specified in 40 CFR § 61.343(b)(2). Waste Treatment Tank = The tank manages, treats or stores a waste stream subject to 40 CFR Part 61, Subpart FF. Alternative Standard for Tanks = The tank is not complying with the alternative standards in 40 CFR § 61.351. Fuel Gas System = Gaseous emissions from the tank or enclosure are not routed to a fuel gas system. Closed Vent System and Control Device = A closed vent system and control device is used. Control Device Type/Operations = Catalytic vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent Cover and Closed Vent = The cover and closed vent system are not operated such that the tank is maintained at a pressure less than atmospheric pressure and meets the conditions of 40 CFR § 61.343(a)(1)(i)(C)(1) - (3). Closed Vent System and Control Device AMOC = Not using an alternate means of compliance Engineering Calculations = Results of performance tests are used to demonstrate that the control device achieves emission limitation. Alternate Monitoring Parameters = Alternate monitoring parameters not requested Alternative Means of Compliance = Not using an alternate means of compliance to meet the requirements of 40 CFR § 61.343 for tanks.
MT-365	40 CFR Part 61, Subpart Y	63Y-2	Tank Type = The storage tank or vessel stores benzene which is not within specific gravities defined in 40 CFR § 61.270(a)

Unit ID	Regulation	Index Number	Basis of Determination*
MT-365	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.
MT-365	30 TAC Chapter 115, Industrial Wastewater	R5140-1	PETROLEUM REFINERY = NO WASTEWATER COMPONENT TYPE = COMPONENT NOT A WET WEATHER RETENTION BASIN, EXEMPTED BY 115.147(2), NOR BIOTREATMENT UNIT. ALTERNATE CONTROL REQUIREMENT (ACR) [REG V] = DOES NOT USE AN ALTERNATE CONTROL REQUIREMENT OR EXEMPTION CRITERIA IN ACCORDANCE WITH 115.910 ROOF/SEAL TYPE [REG V] = WASTEWATER COMPONENT THAT DOES NOT HAVE A FLOATING ROOF OR INTERNAL FLOATING ROOF CONTROL DEVICES [REG V] = CATLYTIC INCINERATOR 90% OVERALL CONTROL OPTION = THE UNIT IS COMPLYING WITH THE CONTROL REQUIREMENTS OF § 115.142 MONITORING TYPE [REG V] = EXECUTIVE DIRECTOR HAS NOT APPROVED OTHER MONITORING METHODS FOR THE EMISSION CONTROL DEVICE OR OTHER DEVICE INSTALLED IN LIEU OF THE MONITORING REQUIREMENTS OF 115.144(3)(A)-(F). SAFETY HAZARD EXEMPTION = NO SAFETY HAZARD EXEMPTION REQUESTED OR APPROVED
PROWWSYS	40 CFR Part 61, Subpart FF	61FFTREAT-1	AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used. By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device. Continuous Monitoring = Samples of the waste stream exiting the treatment process are collected monthly and analyzed for benzene concentration. Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e). Control Device Type/Operation = Catalytic vapor incinerator with a reduction of organics being greater than or equal to 95 weight percent. Openings = The treatment process or wastewater treatment system unit has openings. Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system. Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system. Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis. Engineering Calculations = Performance tests are used show that the control device achieves its emission limitation. Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure. Alternate Monitoring Parameters = Alternate monitoring parameters or requirements have been approved by the Administrator. Closed-Vent System and Control Device = A closed-vent system and control device is used. Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d). AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used. Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.

Unit ID	Regulation	Index Number	Basis of Determination*
PROWWSYS	40 CFR Part 61, Subpart FF	61FFTREAT-2	AMOC = An alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.348 for treatment processes is not used. By-Pass Line = The closed-vent system does not contain a by-pass line that could divert the vent stream away from the control device. Continuous Monitoring = Samples of the waste stream exiting the treatment process are collected monthly and analyzed for benzene concentration. Complying with § 61.342(e) = The facility is not complying with 40 CFR § 61.342(e). Control Device Type/Operation = Flare. Openings = The treatment process or wastewater treatment system unit has openings. Fuel Gas System = Not all gaseous vent streams from the treatment process or wastewater treatment system are routed to a fuel gas system. Stream Combination = The process wastewater, product tank drawdown, or landfill leachate is not combined with other waste streams for the purpose of facilitating management or treatment in the wastewater treatment system. Benzene Removal = Benzene is removed from the waste stream to a level of less than 10 ppmw on a flow weighted annual average basis. Less Than Atmospheric = A cover and closed-vent system are operated such that the treatment process or wastewater system unit is maintained at ambient atmospheric pressure. Closed-Vent System and Control Device = A closed-vent system and control device is used. Process Or Stream Exemption = The treatment process or waste stream is not complying with 40 CFR §61.348(d). AMOC = No alternate means of compliance (AMOC) to meet the requirements of 40 CFR § 61.349 for a closed-vent system and control device is used. Treatment Process Engineering Calculations = Performance tests are used to show that the treatment process or wastewater treatment system unit achieves its emission limitation.
TK-1	30 TAC Chapter 115, Storage of VOCs	R5112-8	Alternate Control Requirement = Not using an alternate method for demonstrating and documenting continuous compliance with applicable control requirements or exemption criteria. Tank Description = Tank using a submerged fill pipe and vapor recovery system True Vapor Pressure = True vapor pressure is less than 1.0 psia Product Stored = VOC other than crude oil or condensate Storage Capacity = Capacity is greater than 1,000 gallons but less than or equal to 25,000 gallons
TK-1	40 CFR Part 60, Subpart Kb	60KB-3	Product Stored = Volatile organic liquid Storage Capacity = Capacity is greater than or equal to 10,600 gallons (40,000 liters) but less than 19,800 gallons (75,000 liters)
TK-1	40 CFR Part 61, Subpart FF	61FF-1	Waste Treatment Tank = The tank does not manage, treat or store a waste stream subject to 40 CFR Part 61, Subpart FF.
TK-1	40 CFR Part 63, Subpart OO	63OO-1	Subject to 40 CFR Part 61, 61 or 63 = The tank is not subject to another subpart within 40 CFR Part 60, 61, or 63 and references the use of this subpart for air emission control.

* - The “unit attributes” or operating conditions that determine what requirements apply

NSR Versus Title V FOP

The state of Texas has two Air permitting programs, New Source Review (NSR) and Title V Federal Operating Permits. The two programs are substantially different both in intent and permit content.

NSR is a preconstruction permitting program authorized by the Texas Clean Air Act and Title I of the Federal Clean Air Act (FCAA). The processing of these permits is governed by 30 Texas Administrative Code (TAC) Chapter 116.111. The Title V Federal Operating Program is a federal program authorized under Title V of the FCAA that has been delegated to the state of Texas to administer and is governed by 30 TAC Chapter 122. The major differences between the two permitting programs are listed in the table below:

NSR Permit	Federal Operating Permit(FOP)
Issued Prior to new Construction or modification of an existing facility	For initial permit with application shield, can be issued after operation commences; significant revisions require approval prior to operation.
Authorizes air emissions	Codifies existing applicable requirements, does not authorize new emissions
Ensures issued permits are protective of the environment and human health by conducting a health effects review and that requirement for best available control technology (BACT) is implemented.	Applicable requirements listed in permit are used by the inspectors to ensure proper operation of the site as authorized. Ensures that adequate monitoring is in place to allow compliance determination with the FOP.
Up to two Public notices may be required. Opportunity for public comment and contested case hearings for some authorizations.	One public notice required. Opportunity for public comments. No contested case hearings.
Applies to all point source emissions in the state.	Applies to all major sources and some non-major sources identified by the EPA.
Applies to facilities: a portion of site or individual emission sources	One or multiple FOPs cover the entire site (consists of multiple facilities)
Permits include terms and conditions under which the applicant must construct and operate its various equipment and processes on a facility basis.	Permits include terms and conditions that specify the general operational requirements of the site; and also include codification of all applicable requirements for emission units at the site.
Opportunity for EPA review for Federal Prevention of Significant Deterioration (PSD) and Nonattainment (NA) permits for major sources.	Opportunity for EPA review, Affected states review, and a Public petition period for every FOP.
Permits have a table listing maximum emission limits for pollutants	Permit has an applicable requirements table and Periodic Monitoring (PM) / Compliance Assurance Monitoring (CAM) tables which document applicable monitoring requirements.
Permits can be altered or amended upon application by company. Permits must be issued before construction or modification of facilities can begin.	Permits can be revised through several revision processes, which provide for different levels of public notice and opportunity to comment. Changes that would be significant revisions require that a revised permit be issued before those changes can be operated.
NSR permits are issued independent of FOP requirements.	FOP are independent of NSR permits, but contain a list of all NSR permits incorporated by reference

New Source Review Requirements

Below is a list of the New Source Review (NSR) permits for the permitted area. These NSR permits are incorporated by reference into the operating permit and are enforceable under it. These permits can be found in the main TCEQ file room, located on the first floor of Building E, 12100 Park 35 Circle, Austin, Texas. The Public Education Program may be contacted at 1-800-687-4040 or the Air Permits Division (APD) may be contacted at 1-512-239-1250 for help with any question.

Additionally, the site contains emission units that are permitted by rule under the requirements of 30 TAC Chapter 106, Permits by Rule. The following table specifies the permits by rule that apply to the site. All current permits by rule are contained in Chapter 106. Outdated 30 TAC Chapter 106 permits by rule may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/old106list/index106.html

Outdated Standard Exemption lists may be viewed at the following Web site:

www.tceq.texas.gov/permitting/air/permitbyrule/historical_rules/oldselist/se_index.html

Title 30 TAC Chapter 116 Permits, Special Permits, and Other Authorizations (Other Than Permits By Rule, PSD Permits, or NA Permits) for the Application Area.	
Authorization No.: 5252	Issuance Date: 06/04/2013
Permits By Rule (30 TAC Chapter 106) for the Application Area	
Number: 106.261	Version No./Date: 11/01/2003
Number: 106.262	Version No./Date: 11/01/2003
Number: 106.263	Version No./Date: 11/01/2001
Number: 106.371	Version No./Date: 09/04/2000
Number: 106.433	Version No./Date: 09/04/2000
Number: 106.473	Version No./Date: 09/04/2000

Emission Units and Emission Points

In air permitting terminology, any source capable of generating emissions (for example, an engine or a sandblasting area) is called an Emission Unit. For purposes of Title V, emission units are specifically listed in the operating permit when they have applicable requirements other than New Source Review (NSR), or when they are listed in the permit shield table.

The actual physical location where the emissions enter the atmosphere (for example, an engine stack or a sand-blasting yard) is called an emission point. For New Source Review preconstruction permitting purposes, every emission unit has an associated emission point. Emission limits are listed in an NSR permit, associated with an emission point. This list of emission points and emission limits per pollutant is commonly referred to as the "Maximum Allowable Emission Rate Table", or "MAERT" for short. Specifically, the MAERT lists the Emission Point Number (EPN) that identifies the emission point, followed immediately by the Source Name, identifying the emission unit that is the source of those emissions on this table.

Thus, by reference, an emission unit in a Title V operating permit is linked by reference number to an NSR authorization, and its related emission point.

Monitoring Sufficiency

Federal and state rules, 40 CFR § 70.6(a)(3)(i)(B) and 30 TAC § 122.142(c) respectively, require that each federal operating permit include additional monitoring for applicable requirements that lack periodic or instrumental monitoring (which may include recordkeeping that serves as monitoring) that yields reliable data from a relevant time period that are representative of the emission unit's compliance with the applicable emission limitation or standard. Furthermore, the federal operating permit must include compliance assurance monitoring (CAM) requirements for emission sources that meet the applicability criteria of 40 CFR Part 64 in accordance with 40 CFR § 70.6(a)(3)(i)(A) and 30 TAC § 122.604(b).

With the exception of any emission units listed in the Periodic Monitoring or CAM Summaries in the FOP, the TCEQ Executive Director has determined that the permit contains sufficient monitoring, testing, recordkeeping, and reporting requirements that assure compliance with the applicable requirements. If applicable, each emission unit that requires additional monitoring in the form of periodic monitoring or CAM is described in further detail under the Rationale for CAM/PM Methods Selected section following this paragraph.

Rationale for Periodic Monitoring Methods Selected

Periodic Monitoring:

The Federal Clean Air Act requires that each federal operating permit include monitoring sufficient to assure compliance with the terms and conditions of the permit. Most of the emission limits and standards applicable to emission units at Title V sources include adequate monitoring to show that the units meet the limits and standards. For those requirements that do not include monitoring, or where the monitoring is not sufficient to assure compliance, the federal operating permit must include such monitoring for the emission units affected. The following emission units are subject to periodic monitoring requirements because the emission units are subject to an emission limitation or standard for an air pollutant (or surrogate thereof) in an applicable requirement that does not already require monitoring, or the monitoring for the applicable requirement is not sufficient to assure compliance:

Unit/Group/Process Information	
ID No.: AS-206	
Control Device ID No.: HB-301A	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: HB-301B	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: HB-301S	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Control Device ID No.: HS-201/219	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-4
Pollutant: VOC	Main Standard: § 115.121(a)(2)

Monitoring Information
Indicator: Period of operation
Minimum Frequency: N/A
Averaging Period: N/A
Deviation Limit: Control device is not operating while controlling vent AS-206
Basis of monitoring: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 ºC and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.

Unit/Group/Process Information	
ID No.: MS-228/1228	
Control Device ID No.: HS-201/219	Control Device Type: Steam Generating Unit (Boiler)/Process Heater (Design heat input is greater than or equal to 44MW)
Applicable Regulatory Requirement	
Name: 30 TAC Chapter 115, Vent Gas Controls	SOP Index No.: R5121-1
Pollutant: VOC	Main Standard: § 115.121(a)(2)
Monitoring Information	
Indicator: Period of operation	
Minimum Frequency: N/A	
Averaging Period: N/A	
Deviation Limit: Unit is not operating while controlling vent MS-228/1228	
Basis of monitoring: A common way to control VOC emissions is to route emissions to a boiler or process heater with a design heat input capacity of 44 MW or greater with minimum temperatures of 1100 °C and residence times greater than one second. Boilers and process heaters with the stated design have demonstrated to meet 98% reduction efficiency; therefore, it is only necessary to document the period of operation of the control equipment. Additionally, in the October, 21, 1983 preamble to 40 CFR Part 60, Subpart III, (48 FR 48945), the EPA determined that installing a steam generating unit, with a design heat input capacity of 44 MW or greater, to control VOC emissions, is an acceptable means of demonstrating compliance with 40 CFR Part 60, Subpart III and waived the requirement for a performance test on such devices. Monitoring the period of operation of a boiler/process heater greater than 44 MW is commonly required in federal rules, including: 40 CFR Part 60, Subparts III and NNN; 40 CFR Part 61, Subpart BB; 40 CFR Part 63, Subpart G.	

Compliance Review

Compliance History Review
1. In accordance with 30 TAC Chapter 60, the compliance history was reviewed on **8/13/14**
2. The compliance history review evaluated the period from .....**12/30/08 - 8/13/14**
   Site rating: **5.41** Company rating: **2.70**
   (High < 0.10; Satisfactory > 0.10 and < 55; Unsatisfactory > 55)
3. Has the permit changed on the basis of the compliance history or site/company rating? ..... **No**

Site/Permit Area Compliance Status Review
1. Were there any out-of-compliance units listed on Form OP-ACPS? ..... **No**
2. Is a compliance plan and schedule included in the permit? ..... **No**

Available Unit Attribute Forms

OP-UA1 - Miscellaneous and Generic Unit Attributes
OP-UA2 - Stationary Reciprocating Internal Combustion Engine Attributes
OP-UA3 - Storage Tank/Vessel Attributes
OP-UA4 - Loading/Unloading Operations Attributes
OP-UA5 - Process Heater/Furnace Attributes
OP-UA6 - Boiler/Steam Generator/Steam Generating Unit Attributes
OP-UA7 - Flare Attributes
OP-UA8 - Coal Preparation Plant Attributes
OP-UA9 - Nonmetallic Mineral Process Plant Attributes
OP-UA10 - Gas Sweetening/Sulfur Recovery Unit Attributes
OP-UA11 - Stationary Turbine Attributes
OP-UA12 - Fugitive Emission Unit Attributes
OP-UA13 - Industrial Process Cooling Tower Attributes
OP-UA14 - Water Separator Attributes
OP-UA15 - Emission Point/Stationary Vent/Distillation Operation/Process Vent Attributes
OP-UA16 - Solvent Degreasing Machine Attributes
OP-UA17 - Distillation Unit Attributes
OP-UA18 - Surface Coating Operations Attributes
OP-UA19 - Wastewater Unit Attributes
OP-UA20 - Asphalt Operations Attributes
OP-UA21 - Grain Elevator Attributes
OP-UA22 - Printing Attributes
OP-UA24 - Wool Fiberglass Insulation Manufacturing Plant Attributes
OP-UA25 - Synthetic Fiber Production Attributes
OP-UA26 - Electroplating and Anodizing Unit Attributes
OP-UA27 - Nitric Acid Manufacturing Attributes
OP-UA28 - Polymer Manufacturing Attributes
OP-UA29 - Glass Manufacturing Unit Attributes
OP-UA30 - Kraft, Soda, Sulfite, and Stand-Alone Semichemical Pulp Mill Attributes
OP-UA31 - Lead Smelting Attributes
OP-UA32 - Copper and Zinc Smelting/Brass and Bronze Production Attributes
OP-UA33 - Metallic Mineral Processing Plant Attributes
OP-UA34 - Pharmaceutical Manufacturing
OP-UA35 - Incinerator Attributes
OP-UA36 - Steel Plant Unit Attributes
OP-UA37 - Basic Oxygen Process Furnace Unit Attributes

OP-UA38 - Lead-Acid Battery Manufacturing Plant Attributes
OP-UA39 - Sterilization Source Attributes
OP-UA40 - Ferroalloy Production Facility Attributes
OP-UA41 - Dry Cleaning Facility Attributes
OP-UA42 - Phosphate Fertilizer Manufacturing Attributes
OP-UA43 - Sulfuric Acid Production Attributes
OP-UA44 - Municipal Solid Waste Landfill/Waste Disposal Site Attributes
OP-UA45 - Surface Impoundment Attributes
OP-UA46 - Epoxy Resins and Non-Nylon Polyamides Production Attributes
OP-UA47 - Ship Building and Ship Repair Unit Attributes
OP-UA48 - Air Oxidation Unit Process Attributes
OP-UA49 - Vacuum-Producing System Attributes
OP-UA50 - Fluid Catalytic Cracking Unit Catalyst Regenerator/Fuel Gas Combustion Device/Claus Sulfur Recovery Plant Attributes
OP-UA51 - Dryer/Kiln/Oven Attributes
OP-UA52 - Closed Vent Systems and Control Devices
OP-UA53 - Beryllium Processing Attributes
OP-UA54 - Mercury Chlor-Alkali Cell Attributes
OP-UA55 - Transfer System Attributes
OP-UA56 - Vinyl Chloride Process Attributes
OP-UA57 - Cleaning/Depainting Operation Attributes
OP-UA58 - Treatment Process Attributes
OP-UA59 - Coke By-Product Recovery Plant Attributes
OP-UA60 - Chemical Manufacturing Process Unit Attributes
OP-UA61 - Pulp, Paper, or Paperboard Producing Process Attributes
OP-UA62 - Glycol Dehydration Unit Attributes
OP-UA63 - Vegetable Oil Production Attributes